09/21/90 RECORD NUMBER: 324

MINE IDENTIFICATION NUMBER
S003016

MINE NAME: DOVE CREEK QUARRY

OPERATOR: WILLIAM L. BOWN

SURFACE OWNER:USFS LEASE #: MINERAL OWNER:USFS

TOWNSHIP :13.0N RANGE:16.0W SEC:14 QTR: NW QTR/QTR: E

PERMIT STATUS: APP MINE TYPE [(S)urface, (U)nderground]: S

MINE STATUS (PRO,ACT,SUS,RET): ACT ACREAGE: 2

MINERALS MINED
57
0
0

DATE RECEIVED	TENTATIVE APPROVAL DATE	FINAL APPROVAL DATE
08/29/90	/ /	09/20/90

BOND TYPE:N/A BOND AMOUNT: 0

ANNUAL REPORT YEAR:

COMMENTS:

USFS "LEAD". OPERATOR WILL BE CLEARING OVERBURDEN W/FRONT END LOADER. WASTE DISPOSED IN DRY WASH. NO NEED FOR ADDITIONAL ROADS BUT MAY WIDEN EXISTING ROAD IN FUTURE. TEMPORARY LIVING QUARTERS ONLY STRUCTURES ONSITE.

AFT RIVER MOUNTAINS
SAWTOOTH NATIONAL FOREST
MOUNTAINS
Canyon
Clarks Basin Spring
Clarks Basin
Clarks Basin Creek
Prospects
Quarries
Quarry
Spring
Springs
Left Hand Fork
Dove Creek Pass
Dove Creek
Chambers Spring
36 Spring
4WD
BM 7228
BM 6344
7651T
7645AT
7890T
8118T
7021T
7303T
7518T
6643T
7174T
7718T
7011T
7210T
6962T
6861T
7585T
7343T
7198T
6898T
6754AT
6683AT
6730T
7600T
6350T
7298T
6875T
6722T
6570T
6771T
7701T
6594T
6792T
7525T
6606T
2-98
2-97
1-35
T 13 N
T 12 N

USDA, Forest Service

EXPIRES: 07/31/92

PLAN OF OPERATIONS FOR MINING ACTIVITIES ON NATIONAL FOREST LANDS

Submitted by William L Bown (Signature) _____ (Title) 27 July, 1990 (Date)

Plan Received by Jerry Randall (Signature) Forestry Tech (Title) 8/13/90 (Date)

I. GENERAL INFORMATION

A. Name of Mine/Project
DOVE CREEK QUARRY OPERATION - GRAY GOLD CLAIM

B. Type of Operation
PLACER
(lode, placer, mill, exploration, development, production, other)

C. Is this a (new/(continuing)) operation? (CIRCLE ONE)
If continuing a previous operation, this plan (replaces/(modifies)) a previous plan of operation. (CIRCLE ONE)

D. Proposed start-up date of operation
AUGUST 1, 1990

E. Proposed duration of operations
ONGOING

F. Proposed seasonal reclamation close-out date
NOVEMBER 15TH

II. PRINCIPALS

A. Name, address and phone number of operator
WILLIAM L BOWN
353 EAST 2200 SOUTH
BOUNTIFUL, UTAH 84010
801-275-0601

B. Name, address, and phone number of authorized field representative (if other than the operator). Attach authorization to act on behalf of operator.

N/A

C. List the owners of the claims (if other than the operator)

WILLIAM BOWN, PRESTON BOWN, RONALD BOWN, JEFFREY BOWN, JAY BOWN

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

D. List name and address of any other lessees, assigns, agents, etc. and briefly describe their involvement with the operation, if applicable:

N/A

III. PROPERTY OR AREA

Name of claim and the legal land description where the operation will be conducted.

MMC #	Name	Section	Township	Range
335261	GRAY GOLD E½ NW¼	14	13 N	16 W

IV. DESCRIPTION OF THE OPERATION

A. Access. Show on a map (USGS quadrangle map or a National Forest map, for example) the claim boundaries and describe and show on the map all access needs, on and off the claim. Specify what Forest Service existing roads will be used, where maintenance or reconstruction is proposed and where any new construction is necessary. For new construction, include construction specifications such as widths, grades, etc. Show location and size of culverts. Describe maintenance plans. Describe the type and sizes of vehicles and equipment that will be traveling the access routes.

At the present there is no need for additional roads. Existing roads lead into the quarry area. In the future plans may be submitted for widening and grading existing roads. Vehicles using roads will include ten wheel flat-bed diesels, six wheel military trucks, four by four pick-up trucks, front-end loaders, tractors, and excavators.

B. Attach map, sketch or drawing showing location and layout of the area of operation. Include names and locations or any streams, creeks, and springs. Describe and explain on the map the type of operation, method or techniques you propose (examples: drilling, open pit mining, dredging, milling, etc.; include locations, capacity, size, amount, etc.). Show on the map and describe below the size and kind of all surface disturbance, such as trenches, pits, settling ponds, stream channels and run-off diversions, waste dumps, drill pads, timber disposal or clearance, etc. Include sizes, capacities, acreage, amounts, locations, materials involved, etc.

Approximately 1.5 to 2 acres may be disturbed, which disturbance is the unearthing of stone ledges from beneath the surface ground by use of track excavator. Waste (dirt and muck) will be disposed in dry wash east of disturbance area. All stone removed will be cleavage-able quartzite.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

C. Project Description. Describe all aspects of the operation: how clearing will be accomplished, topsoil stockpiled, waste rock placed, tailing disposed of, etc. Calculate production rates and total volumes of waste rock and ore. Include justification and calculations for settling pond capacities and sizing of runoff diversion channels.

1. For first 12 months:

Clearing "over burden" will be accomplished by use of a small front-end loader. Waste rock will be discarded in dry channel east of quarry area. Once "overburden" is removed waste is minimal. For 20 tons of produced quartzite there is five tons of waste rock.

WASTE : ORE
1 : 4

2. For total life of project:

The total life of the project will simply be repeated application of initial 12 month period. Project will be ongoing as market demands for material are met. A clean, efficient, top flight quarry is most beneficial to the operator, more cost effective, and maximizes use of material of stone which is potentially removable

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

D. Describe the Equipment and Vehicles you propose to use in your operation (Examples: drill, dozer, wash plant, mill, etc.). Include: sizes, capacity, frequency of use, etc.

We will be using a track excavator for digging up stone for splitting. A front end loader for waste removal as well as a 10 wheel dump truck. Fork lifts for loading pallets of stone packaged. One and two ton four wheel drive "shuttle" trucks for removal of stone from immediate quary sight.

E. Structures. Describe and include justification for the structures or facilities planned for the operation. Include such things as storage sheds, mill buildings, thickener tanks, fuel storage, powder magazines, pipe lines, water diversions, trailers, sanitation facilities, etc. Include justification and calculations for sizing of tanks, pipelines and water diversions. The fuel storage facilities should include containment structures that will hold the volume of the largest storage tank in case of a tank failure of leak. Show the locations on the sketch map.

The only structures will be living quarters for quarry operators and labourers. These will be camp trailers, and mobile trailer home (54' X 12'). Sanitation will consist of out-house.

V. ENVIRONMENTAL PROTECTION MEASURES (SEE 36 CFR 228.8)

A. Air Quality. Describe measures to be taken to minimize impacts on air quality such as obtaining a burning permit for slash disposal or dust abatement on roads.

There will be no fires and minimal dust stirred as a result of quarry productions.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

B. Water Quality. State how applicable state and federal water quality standards will be met. Describe what measures or management practices will be used to minimize water quality impacts and meet applicable standards.

1. If water is to be used in the operation (processing ore, washing ore, solution make-up, etc.) state how the water will be stored, treated an disposed of. If ponds of any type are proposed, such as for storage or settling, state how they will be designed and built. Provide storage capacities and water balance calculations. State how ponds will be maintained on an annual basis.

2. Describe methods to control runoff and erosion to prevent entry into surface water for all disturbed areas, including waste and tailings dumps.

3. Describe proposed surface water and groundwater quality monitoring, if required, to demonstrate compliance with federal or state water quality standards.

4. Describe what measures will be used to minimize potential water quality impacts during winter closure, if applicable.

5. If land application is proposed for wastewater disposal, the location and operation of the land application system should be described.

C. Solid Wastes. State how any tailing, dumpage, or other waste produced by operations will be disposed of or treated so as to minimize adverse impacts. Include a statement that all unburnable garbage and refuse will be hauled off-Forest to a sanitary landfill.

All waste rock will be removed to low lying dry area adjacent to quarry area. All unburnable or burnable garbage and refuse will be hauled away and off of Forest to a sanitary land fill.

D. Scenic Values. State how scenic values will be protected. Examples are screening, slash disposal, timely reclamation, etc.

Trees and shrubery indeginous to area will be protected from quarry or waste dumping.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

E. **Fish and Wildlife.** All practicable measures to maintain and protect fisheries and wildlife habitat affected by the operations must be taken, and should be defined. Most of those measures involve avoidance of critical habitat such as along streams and bogs when planning roads, dumps, etc. Opportunities during reclamation to prevent erosion or plant browse or forage species should be described.

In area of quarry there is sage brush, noxious weeds, and prickley-pear cactus. These will be protected as possible.

F. **Cultural Resources.** Describe procedures for protection of historic and archeological values. The Forest Service is responsible for insuring that the area to be covered by the operating plan is inventoried prior to plan approval to determine the presence of significant cultural resources and will specify protective and/or mitigation measures to be taken by the operator. If previously undiscovered cultural resources (historic or prehistoric objects, artifacts, or sites) are exposed as a result of operations, the operator shall not proceed until he is notified by the District Ranger that he has complied with provisions for mitigating unforeseen impacts as required by 36 CFR 228.4(e) and 36 CFR 800.

As historic or archaeological evidence is apparent operations will be halted and proper notification of findings reported.

G. List all hazardous substances (by name and quantity required) which you intend to use or generate during the proposed operation. Operations USING or GENERATING HAZARDOUS SUBSTANCES must attach copies of other Federal and State agency permits, including all stipulations and conditions pertaining to the permit.

N/A

H. With regard to hazardous substances, discuss handling, storage, security (fencing), identification (signing), or other special operations requirements necessary to conduct the proposed operation.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

I. Close-out Reclamation. This section should describe the removal of structures and facilities, and the reclamation of the access road. It should specify that roads no longer needed: (1) be closed, (2) bridges and culverts be removed, (3) cross drains, dips, or water bars be constructed, and (4) the road surface be shaped to as near a natural contour as practicable and be stabilized. Show the expected date for completion of all reclamation.

N/A

VI. FOREST SERVICE EVALUATION OF PLAN OF OPERATIONS

A. Recommended Changes/Modifications for Plan of Operations:

B. Bond - As a further guarantee of faithful performance with the reclamation requirements agreed upon in the plan of operations, the operator delivers herewith and agrees to maintain a surety bond, cash, bond, irrevocable letters of credit in the sum of _____
($_____).

ACKNOWLEDGEMENTS

A. It is understood that should the nature of the operation change a modified or supplemental plan of operations may be required.

B. It is understood that approval of this plan of operations does not constitute: (1) Certification of ownership to any person named herein; and (2) Recognition of the validity of any mining claim named herein.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

C. It is understood that a bond equivalent to the actual cost of performing the agreed upon mitigation and reclamation measures may be required before this plan can be approved.

D. It is understood that approval of this plan does not relieve me of my responsibility to comply with any other applicable State or Federal laws, rules or regulations.

E. It is understood that any information provided with this plan that is marked confidential will be treated by the agency in accordance with that agency's laws, rules and regulations.

I/We have reviewed and agree to comply with all conditions in this plan of operations, including the recommended changes and reclamation requirements. I/We understand that the bond will not be released until the Forest Officer in charge gives written approval of the reclamation work.

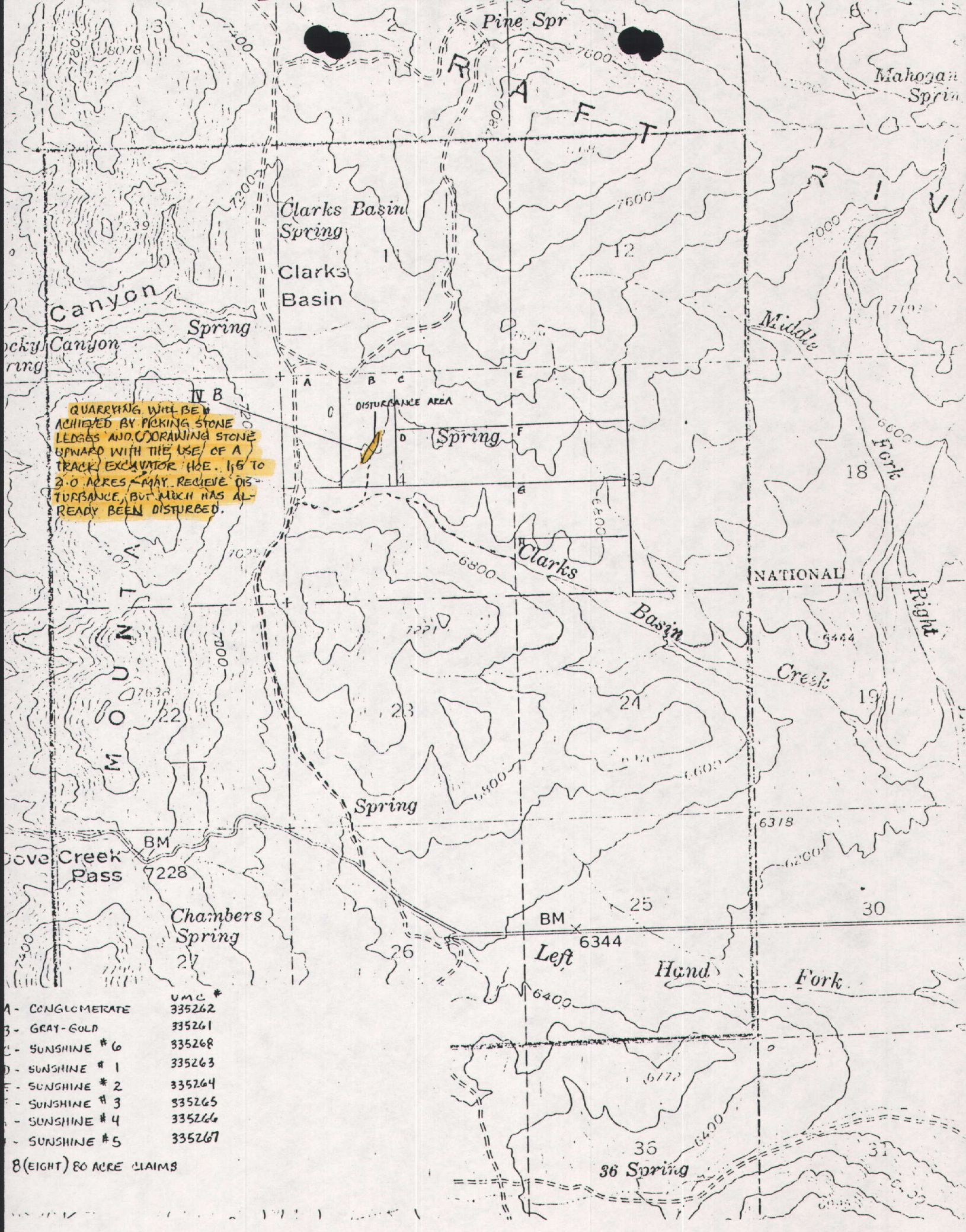
William L Bown _____
Operator (or Authorized Official) Date

OPERATING PLAN APPROVAL:

_____ _____
(Name) (Title)

_____ _____
(Authorized Officer) (Date)

Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0596-0022), Washington, D.C. 20503.



	UMC #
1 - CONGLOMERATE	335262
3 - GRAY-GOLD	335261
2 - SUNSHINE # 6	335268
D - SUNSHINE # 1	335263
E - SUNSHINE # 2	335264
F - SUNSHINE # 3	335265
- SUNSHINE # 4	335266
- SUNSHINE # 5	335267

8 (EIGHT) 80 ACRE CLAIMS

Fuels - address fuels where stored + quantities to be stored - length of time the fuels will be there.

Camp - # of people, period of use (how long will the people be at camp?

- what structures - ie a trailer house in there perm but movable?

- Out house - portable or vaulted toilet?

- Mill site at Park Valley available for winter storage of cats, front end loader.

- Gray water disposal?

- Water source

- Road maintenance? Sink holes in wet years.

- Road Abandonment - identify rds + what you would do to put the rd to bed.

United States Department of Agriculture | Forest Service | Sawtooth National Recreation Area

RECEIVED
BURLEY R.D.
JUL 9

	DEB	TBR	
	SSS	WLF	
	RECP	REC	
	BGE	RGE T.	
	FMO	MIN	

Reply To: 2810

Date: July 5, 1990

Subject: Common/Uncommon Building Stone Determination

To: Jerry Green, Burley District Ranger

Based on the direction from the Management Team on the "Common/Uncommon Minerals Material" 5/7/90 Decision Paper, an examination visit to several of the "permit" stone quaries was made on June 19 and 20, 1990. Larry Randall of the Burley office, Larry Broeker of the South Idaho Zone office, and myself examined the below listed permit areas. The remainder will be examined at a later date.

Thomas/American Stone (Fish Creek) was the only site in which active mining was taking place, and the road was blocked by a loader doing heavy maintenance so we did not get to see the operation. Larry Randall, Jerry Green, and I have been to this site before. All of the rest of the sites were deserted. Some had pits that had been mined in the past, some showed evidence of having slabs removed, and some showed no evidence of ever having been mined. Several of the access roads were very steep and a few had no access roads.

In visiting the various quaries, the determination about whether the deposit was locatable or common was fairly clear-cut if there were large slabs of thin veneer Oakley Stone present. In the Raft River division, after the second site, it became apparent that we were not looking at Elba Quartzite but some other formation. My impression has been that Oakley Stone was Elba Quartzite. Now we have the added complication of - is thin veneer quartzite that breaks out in large slabs, but is not Elba Quartzite, also locatable? Some appears to be, but we really can not be certain until we get marketing/sales information on how much is being sold and for what price. We also need to watch them mine to see if the methods are similar and therefore cost comparable. Right now, none of the Raft River stone is being mined so at present it is impossible to get the mining and marketing information because it is not available. It's a catch-22 situation. The operator needs an approved operating plan or sales permit in order to mine, and we need to watch them mine and obtain market/sales information in order to know whether to approve an operating plan or issue a sales permit. I recommend that in those cases where we don't know, we treat them as locatable - have them submit an operating plan and post a bond for reclamation. The approval letter can have a stipulation that at some later time the deposit may be determined not locatable and the operating plan revoked.

Attached are the notes and photographs I took during the examinations. We did not do the thorough evaluation one would do with a patent examination or a formal Uncommon/Common Variety Determination examination, however enough information was obtained about some of the sites to form an opinion as to whether the deposit is locatable or saleable. That opinion is listed below.

Thomas/American Stone (Fish Creek) locatable
William H. Clawson (Pot Holes/Stinson) ridge deposit is locatable
Ed Hatch (Cottonwood Ridge) not locatable
Bill Bown's (Lynn Springs) probably locatable

Bown's (Clark Basin) probably locatable
Mark Ckecketts (Pine Springs) south possibly locatable
" " ridge to the north possibly locatable
Keith Edwards dba Utah Flagstone Co possibly locatable
Leunna Stokes possibly locatable

I suggest you file my notes and photos in each case file. The photos especially will help in any future evaluation.

JAMES J. JONES
Geologist

cc:
L.Kocmick, SO
L.Broeker, Boise SO